LEYCROFT ACADEMY

Maths Long term plan 2026-2027

The Explorers Semi-Formal Mathematics Pathway provides ambitious and carefully sequenced opportunities for pupils to develop mathematical understanding through practical, meaningful and real-life experiences. The curriculum follows a spiral approach, revisiting key concepts in number, shape, space and measure across KS1 and KS2 so that knowledge and skills are strengthened, deepened and applied in new contexts. Progression is achieved through increasing fluency, reasoning, communication, independence and application, preparing pupils for future learning and everyday life.

Explorers - Semi Formal Pathway								
Term	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**	**Week 8**
Autumn 1 **8 weeks**	BASELINE ASSESSMENTS		**Number Sense and Counting** • Hearing and saying number names • Stable order counting • Subitising • Counting with 1:1 correspondence				SSM: **Time and Sequencing** • Sequencing events • Daily routines • Days of the week • Before, after and next	
Autumn 2 **7 weeks**	**Counting and Quantity** • Representing numbers • Matching quantities to numerals • Comparing groups • More, less and same				**Shape and Spatial Awareness** • Recognising and naming shapes • Identifying shapes in the environment • Building and construction • Position and direction			
Spring 1 **6 weeks**	**Number Relationships and Composition** • Numbers to 10 • Number composition • 1 more and 1 less • Exploring how numbers are made				**Sorting, Classification and Pattern** • Sorting by colour, shape, size and attribute • Matching and grouping objects• Recognising similarities and differences • Exploring simple patterns			
Spring 2 **5 weeks**	**Addition and Subtraction** • Adding more • Taking away • Fewer and less • Understanding change in quantity			**Capacity and Volume** • Full and empty • Filling and emptying • Comparing capacity • More and less in measure				
Summer 1 **7 weeks**	**Grouping and Number Relationships** • Grouping and sharing • Equal and unequal groups • Exploring doubles • Early multiplicative thinking • Number relationships				**Length and Height** • Long and short • Tall and short • Comparing and ordering • Measuring through direct comparison			
Summer 2 **7 weeks**	**Number in Everyday Life** • Counting and calculating in practical situations • Money recognition and exchange • Solving everyday mathematical problems				**Weight and Mass** • Heavy and light • Comparing mass • Weighing and balancing • Comparing measures			

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Explorer Pathway

Term	Math focus:	What Children Are Learning to Do...
Autumn 1	**Number focus: Number Sense and Counting**	Develop early number understanding by hearing, saying and recognising number names, subitising small quantities and counting objects accurately. Build confidence in counting through practical activities, songs, routines and one-to-one correspondence.
	SSM focus: Time and Sequencing	Develop understanding of time through daily routines, sequencing events and recognising what happens before, after and next. Build awareness of days of the week and the order of familiar activities.
Autumn 2	**Number focus: Counting and Quantity**	Represent numbers, match quantities to numerals and compare groups using the language of more, less and same. Develop understanding that numbers represent quantity and can be used to compare amounts.
	SSM focus: Shape and Spatial Awareness	Recognise and name familiar shapes, identify shapes in the environment and explore position and direction through practical activities. Develop spatial awareness through building, construction and movement.
Spring 1	**Number focus: Number Relationships and Composition**	Explore how numbers are made by investigating parts and wholes, number composition and the relationship between quantities. Find 1 more and 1 less and develop understanding of number to 10.
	SSM focus: Sorting, Classification and Pattern	Sort, classify and group objects using different attributes. Identify similarities and differences and recognise, copy and create simple repeating patterns.
Spring 2	**Number focus: Addition and Subtraction**	Develop understanding that quantities can change by adding more or taking away. Use practical resources to explore addition, subtraction, fewer, less and changes in quantity.
	SSM focus: Capacity and Volume	Compare, investigate and measure capacity through filling, emptying and comparing containers. Develop understanding of full, empty, nearly full and nearly empty.
Summer 1	**Number focus: Grouping and Number Relationships**	Explore grouping, sharing and equal groups through practical experiences. Develop understanding of doubles, early multiplication concepts and relationships between quantities.
	SSM focus: Length and Height	Measure, compare and order objects by length and height. Use mathematical language such as long, short, tall and taller when describing and comparing objects.
Summer 2	**Number focus: Number in Everyday Life**	Apply counting, calculation and comparison skills in meaningful contexts. Recognise money, exchange coins and solve everyday mathematical problems through practical experiences and role play.
	SSM focus: Weight and Mass	Compare, measure and investigate weight and mass through weighing and balancing activities. Use mathematical language such as heavy, light, heavier and lighter to compare objects.